Mohawk Valley Community College Engineering Science				SUNY Polytechnic Institute Civil Engineering			
Course #	Course Title	SUNY Gen Ed	Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed	Credits Accepted
							(16.5)
CF 100	College Foundation Seminar		1	FYS 100	First Year Seminar		1
CH141	General Chemistry 1	X	4	CHE 130	Introductory Chemistry I	X	4
CI140	Computer Programming for Engineers and Scientists		3	TECE 000	Technical Elective		3
EN101	English 1: Composition	X	3	ENG 101	Composition	X	3
ES151	Introduction to Engineering		2	ESC 110	Introduction to Engineering		2
MA151	Calculus 1	X	4	MAT 151	Calculus I	X	4
	Physical Education		.5	ELEC 000	Unrestricted Elective		0.5
	Core GE Social Science Elective (See "A" below)	X	3	SOS 001	Gen Ed Social Science	X	(17.5)
EN102	English 2: Ideas & Values in Literature	x	3	ENG 110	Intro to LiteratureOpen Elective	x l	3
ES175	Engineering Science Design	^	3	ESC 120	Design Tools and Processes	^	3
MA152	Calculus 2	X	4	MAT 152	Calculus II	X	4
PH261	Engineering Physics 1	X	4	PHY 201	Physics I	X	4
TTIZOT	Physical Education	^	.5	ELEC 000	Unrestricted Elective	^	0.5
							(18)
ES271	Engineering Statics		3	ESC 210	Engineering Mechanics: Statics		3
ES291	Electrical Circuits 1		4	ECE 260	Electric Circuits ("pick two")		4
MA253	Calculus 3	Х	4	MAT 253	Calculus III (MAT elective)	Х	4
PH262	Engineering Physics 2	X	4	PHY 202	Calculus Based Physics II (Math/Science elective)	X	4
	Social Science Elective (See "A" below)	X	3	SOS 001	General Education-Social Science- Open Elective	X	3
	Physical Education		.5				(10)
144,000	Differential Frenchisco	V	3	MAT 000	0.40%54540000000000000000000000000000000	V	(13)
MA260 ES261	Differential Equations Mechanics of Materials	X	3	MAT 260 ESC 230	Ord Diff Eqtns & Series Sltns Mechanics of Materials	X	3
ES272	Engineering Dynamics		3	ESC 240	Engineering Mechanics: Dynamics ("pick two")		3
CH 142	Restricted Elective (See "B" below).	X	3-4	CHE 131	Introductory Chemistry II	X	4
OTT TIE	Physical Education	^	.5	OFFE TOT	introductory chamicaly in	^	'
	,			Year Three - Fall			(17)
				CE 301	Structural Engineering		4
				CE 302	Transportation Engineering		3
				CE 303	Environmental Engineering		4
				CE 304	Geotechnical Engineering		3
				CE 230	Civil Engineering Materials		3
				Year Three - Spring CE 335	Water December Familians in a		(15) 3
			-	CE 333	Water Resource Engineering CE Emphasis 1		3
			+ +	BIO XXX	General Ed. Biology		4
			†	CE 220	Professionalism		2
			†	CE 330	Fluid Mechanics		3
				Year Four - Fall			(17)
				CE 480	Capstone Design 1		3
				COM 306	Upper Division Writing		4
					CE Emphasis 2		3
				CE 210	Elementary Surveying		3
			1	Vana Faura Carin	Gen Ed Elective		4
			├	Year Four - Spring CE 481	Capstone Design 2		(14)
		+	+	UE 401	CE Upper Elective	+ + +	3
			+ +		Gen Ed Elective		4
			† †		Gen Ed Elective		4
		Total Credits Eligible for Transfer	66-67			Total Transfer Credits Applied to Program	65
Total Ground England for Halfald						Total Credits Required after Transfer	63
						Total Credits Required after Transfer Total Credits Required for Degree	128
Λ \	Coro CE Social Science Floative (aboses two one if	Contribution of the Contri	104 DM 404 DO 40	4 DV 404 00 404 11140		Total ordano required for Degree	120

A.) Core GE Social Science Elective (choose two, one if which must be a bolded course): AN 101, BM 101, PS 101, PY 101, SO 101, HI 101

B.) Restricted Elective (choose one): CH 142, ES 281, ES 292, MA 280 or PH 263. Poly Recommends students choose CH 142-General Chemistry II which is a SUNY General Education-Natural Science course